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# CATALOGUE

# ST. JOHN'S COLLEGE,

## ANNAPOLIS, MD.,

FOR

## THE ACADEMIC YEAR 1884-1885,

AND

PROSPECTUS FOR 1885-1886.

BALTIMORE:
FROM THE STEAM PRESS OF JAMES YOUNG,
112 West Baltimore Street.
1885.

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# CATALOGUE

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# CALENDAR.

*1885.*

WEDNESDAY, SEPT. 16. . Opening of Session and Examination of Candidates for Admission.

FRIDAY, DEC. 11. . . . . Anniversary Celebration of Philomathean Society.

WEDNESDAY, DEC. 23. . . Commencement of Christmas Vacation.

*1886.*

TUESDAY, JAN. 5. . . . . Resumption of College Exercises.

SUNDAY, JUNE 20. . . . . Baccalaureate Sermon.

MONDAY, JUNE 21. . . . . Anniversary of the Philokalian Society.

TUESDAY, JUNE 22. . . . . Address before the Literary Societies.

WEDNESDAY, JUNE 23 . . Address before the Alumni.

THURSDAY, JUNE 24. . . . Commencement Day.

THURSDAY, JUNE 24 . . . Banquet of the Alumni at 9 o'clock P.M.

# BOARD OF VISITORS AND GOVERNORS.

## President (*ex-officio*),

HIS EXCELLENCY, HENRY LLOYD,

Governor of Maryland, Annapolis, Md.

| | | |
|---|---|---|
| ..... President of Senate, *ex-officio*, ..... | | |
| Hon. J. PEMBROKE THOM, Speaker House of Del., | " | Baltimore, Md. |
| Hon. RICH. H. ALVEY, C. J. Court of Appeals, | " | Hagerstown, Md. |
| Hon. JNO. M. ROBINSON, Judge Court of Appeals, | " | Centreville, Md. |
| Hon. GEORGE YELLOTT, Judge Court of Appeals, | " | Towson, Md. |
| Hon. JOHN RITCHIE, Judge Court of Appeals, | " | Frederick, Md. |
| Hon. FRED'K STONE, Judge Court of Appeals, | " | Port Tobacco, Md. |
| Hon. OLIVER MILLER, Judge Court of Appeals, | " | Annapolis, Md. |
| Hon. LEVIN T. H. IRVING, Judge Court of Appeals, | " | Princess Anne, Md. |
| Hon. W. SHEPARD BRYAN, Judge Court of Appeals, | " | Baltimore, Md. |

| | |
|---|---|
| I. NEVITT STEELE, Esq., LL. D | Baltimore, Md. |
| FRANK H. STOCKETT, Esq | Annapolis, Md. |
| JAMES MACKUBIN, Esq | Ellicott City, Md. |
| NICHOLAS BREWER, Esq., *Treasurer* | Annapolis, Md. |
| DANIEL M. HENRY, Esq | Cambridge, Md. |
| DANIEL M. THOMAS, Esq | Baltimore, Md. |
| SPRIGG HARWOOD, Esq | Annapolis, Md. |
| JAMES MUNROE, Esq | Annapolis, Md. |
| Hon. GEORGE WILLIAM BROWN, LL. D | Baltimore, Md. |
| N. H. MORISON, LL. D | Baltimore, Md. |
| WILLIAM HARWOOD, Esq., *Secretary* | Annapolis, Md. |
| DAVID HARLAN, M. D., U. S. N | Churchville, Md. |
| WILLIAM R. HAYWARD, M. D | Cambridge, Md. |
| J. SHAAFF STOCKETT, Esq | Annapolis, Md. |
| J. WIRT RANDALL, Esq | Annapolis, Md. |
| WILLIAM T. IGLEHART, Esq | Annapolis, Md. |
| WILLIAM G. RIDOUT, M. D | Annapolis, Md. |
| GEORGE WELLS, M. D | Annapolis, Md. |
| T. BARTON BRUNE, M. D | Baltimore, Md. |
| JOHN S. WIRT, Esq | Elkton, Md. |
| RICHARD M. VENABLE, Esq | Baltimore, Md. |
| HENRY PAGE, Esq | Princess Anne, Md. |
| RICHARD H. GREEN, M. D | Annapolis, Md. |
| LOUIS G. GASSAWAY, Esq | Annapolis, Md. |
| PHILEMON H. TUCK, Esq | Baltimore, Md. |

# FACULTY AND INSTRUCTORS,

## Session of 1884-85.

WILLIAM H. HOPKINS, A. M.,

*Acting President*,

Professor of the Latin, Greek and German Languages.

J. GRATTAN HAGNER, A. M.,

Professor of Mathematics and Acting Professor of English Literature.

A. SAGER HALL, A. M., PH. D.,

(Graduate and Doctor of Philosophy from Michigan University),

Professor of Chemistry and Physics.

JAY M. WHITHAM, U. S. N.,

Professor of Mechanical Engineering.

CHARLES W. FOSTER, U. S. A.,

Professor of Military Science and Tactics and Lecturer on International and Constitutional Law.

JULES LEROUX,

Professor of the French and Spanish Languages.

WILLIAM W. DAVIS, A. M.,

Superintendent of the Preparatory Department and Librarian.

EMERSON C. HARRINGTON, A. B.,

Tutor in the Preparatory Department.

# CATALOGUE OF STUDENTS

DURING THE YEAR 1884-85.

### *POSTGRADUATES.*

| Names. | Residences. |
|---|---|
| Emerson C. Harrington | Madison, Md. |
| Wyatt W. Randall | Annapolis, Md. |

### *SENIOR CLASS.*

| | |
|---|---|
| Charles Brewer | Annapolis, Md. |
| John L. Chew | Prince George's county, Md. |
| Wirt A. Duvall | St. Margaret's, Md. |
| Henry B. Gorgas | Philadelphia, Pa. |
| J. Harwood Iglehart | Annapolis, Md. |
| Frank A. Munroe | Annapolis, Md. |
| Will B. Shober | Cumberland, Md. |
| Benjamin P. Truitt | Quantico, Md. |
| Allen S. Will | Carroll, Baltimore county, Md. |

### *JUNIOR CLASS.*

| | |
|---|---|
| George M. Cummings | Baltimore, Md. |
| Clarence H. Forrest | Taneytown, Md. |
| Thomas K. Green | Annapolis, Md. |
| Edward M. Hardcastle | Trappe, Md. |
| Charles A. Jacobi | Annapolis, Md. |
| John Ridout | Annapolis, Md. |
| George C. Schoff | Annapolis, Md. |
| Horace R. Winchester, Jr | St. Margaret's, Md. |
| Clinton S. Wyatt | Goldsboro, Md. |

### *SOPHOMORE CLASS.*

| | |
|---|---|
| Preston Bowles | Hancock, Md. |
| C. Edwin Carl | Hancock, Md. |
| H. F. D. Crownfield | Baltimore, Md. |
| James D. Hamill | Oakland, Md. |
| Thomas H. Hicks | Cambridge, Md. |
| George E. Marchand | Annapolis, Md. |

Sophomore Class, continued.

| Names. | Residences. |
|---|---|
| William L. Purdum | Fountain Mills, Md. |
| James H. Quinby | Bel Air, Md. |
| Orlando Ridout | St. Margaret's, Md. |
| Thomas H. Wilkinson | Sunderland, Md. |

*FRESHMAN CLASS*

| | |
|---|---|
| W. W. Blunt | Goshen, Md. |
| B. M. Cissel | Highland, Md. |
| Daniel E. Day | Odenton, Md. |
| A. L. Dryden | Crisfield, Md. |
| J. Felix Fenwick | Leonardtown, Md. |
| J. F. S. Jacobi | Annapolis, Md. |
| F. D. Jamesson | Westernport, Md. |
| Frank Leech | Annapolis, Md. |
| R. T Meginniss | Baltimore, Md. |
| Bernard Murphy | Lonaconing, Md. |
| William H. Phillips | Crownsville, Md. |
| E. E. Price | Green Valley, Md. |
| E. R Robb | Annapolis, Md. |
| Jacob J. Schoff | Annapolis, Md. |
| Wesley Shemwell | Prince Frederick, Md. |
| William H. Timmermann | Highland, Md. |

*FIRST PREPARATORY CLASS.*

| | |
|---|---|
| L. S. Blades | Bishopville, Md. |
| Thomas Leverett Brewer | Annapolis, Md. |
| James D. Feldmeyer | Annapolis, Md. |
| Nicholas H. Green | Annapolis, Md. |
| E H. Habersham | Annapolis, Md. |
| Albert H. Hopkins | Annapolis, Md. |
| Clarence Rehn | Annapolis, Md. |
| Frank B. Rodgers | Galena, Md. |
| Charles H. Schoff | Annapolis, Md. |
| Louis A. Taylor | Annapolis, Md. |
| William T. Tippett | Chaptico, Md. |
| W. E. Trenchard | Church Hill, Md. |

*SECOND PREPARATORY CLASS.*

| Names. | Residences. |
|---|---|
| Edward Abbott | Annapolis, Md. |
| John Basil | Annapolis, Md. |
| Bernard H. Boone | St. Margaret's, Md. |
| Wallace H. Boyd | Annapolis, Md. |
| A. Theodore Brady | Annapolis, Md. |
| J. Clayton Brewer | Annapolis, Md. |
| William B. Gardiner, Jr. | Annapolis, Md. |
| F. De Sales Howard | Cox's Station, Md. |
| William Jickling | Annapolis, Md. |
| Hedding B. Leech | Annapolis, Md. |
| J. W. Leroux | Annapolis, Md. |
| E. K. Munroe | Annapolis, Md. |
| Walter S. Phillips | Crownsville, Md. |

*THIRD PREPARATORY CLASS.*

| | |
|---|---|
| W. Taylor Aspald | Annapolis, Md. |
| Francis W. Belknap | U. S. N. Academy. |
| Charles W. Boone | St. Margaret's, Md. |
| Charles W. Hopkins | Annapolis, Md. |
| Anthony K. Kennedy | Annapolis, Md. |
| Peter H. Magruder | Annapolis, Md. |
| Charles G. Munroe | Annapolis, Md. |
| W. Spencer Murray | Annapolis, Md. |
| Marshall F. Oliver | Annapolis, Md. |
| John L. Paget | Annapolis, Md. |
| John L. Phillips | Annapolis, Md. |
| Richard B. Smith | Annapolis, Md. |
| John A. Wise | U. S. N. Academy. |
| Charles C. Wolley | Annapolis, Md. |

| | |
|---|---|
| Postgraduates | 2 |
| Total in Collegiate Department | 44 |
| Total in Preparatory Department | 39 |
| Total in College | 85 |

## Degrees Conferred on Commencement Day, June 26, 1884.

*Bachelor of Arts:*

WILLIAM NELSON BURGESS (First Honor), Baltimore, Md.
BRUNER ROLLIN ANDERSON, Woodwardville, Md.
FREDERICK HENRY CLASH, Centreville, Md.
JOSEPH THOMAS COULBOURN, Marion, Md.
EMERSON COLUMBUS HARRINGTON (Second Honor), Madison, Md.
WILLIAM FRANCIS JOHNSON, Snow Hill, Md.
WYATT WILLIAM RANDALL, Annapolis, Md.
EDWARD JOHN WORRELL REVELL, Annapolis, Md.
HENRY CLAY SCHOOLEY, Highland, Md.
GEORGE ALEXANDER STEELE, Elkton, Md.
RICHARD BEAUREGARD TIPPETT, Chaptico, Md.
HENRY BEATTY WILSON, Boonsboro, Md.

*Proficient in German:*

GEORGE ALEXANDER STEELE,
HENRY BEATTY WILSON.

*Master of Arts:*

WILLIAM WATERS DAVIS, A. B., (Class of 1881.)

# PROSPECTUS

OF THE

# ACADEMICAL YEAR 1885-86.

## History, Location and Access.

THE charter of St. John's College was granted in 1784, and the institution opened in 1789. But under another form and name it had been doing its work during nearly a hundred previous years, and is, therefore, one of the oldest colleges in the country. At the city of St. Mary's, then the capital of Maryland, as early as 1671, the upper house of the General Assembly passed an act "for founding and erecting a school or college for the education of youth in learning and virtue" This was followed by the act of 1696, establishing KING WILLIAM'S SCHOOL, which was opened in 1701. Here were educated some of the most distinguished sons of Maryland—physicians, lawyers, statesmen, clergymen—and pre-eminent among the brilliant number was William Pinkney, whose learning and eloquence have a national fame. KING WILLIAM'S SCHOOL was, in 1784, merged into St. John's College, which has thus been connected with the State of Maryland from the early times of colonial history. Francis Scott Key, author of our favorite national ode, and Reverdy Johnson, distinguished as a lawyer and a statesman, are among its alumni, and many others, scarcely less eminent, could be mentioned.

The college is pleasantly situated at Annapolis, on the banks of the Severn river, a few miles from the Chesapeake bay. Nothing in the country surpasses the picturesque beauty of its situation. The college green is spacious, amply shaded, and most attractive to the eye, while the campus, in the rear, is admirably adapted for sports. Bordering the grounds, "College Creek," a branch of the Severn, affords every facility for swimming and boating. Indeed,

the situation combines every advantage desirable for a college. The buildings are large, commodious, and well adapted for purposes of both classical and technical education, and could accommodate two hundred students.

Annapolis has railroad communication with Baltimore and Washington three times a day, daily steamboat connection with the former city, and telegraphic connection with every part of the country.

## Course of Study.

The Preparatory Department of the college has three classes, entitled first, second and third, according to the grade of studies. Students of the First Preparatory Class, who pass a satisfactory examination, are qualified for admission into the Freshman Class of the college.

The Collegiate Department embraces three courses: First, the regular Academic Course, occupying four years, and pursued in the Freshman, Sophomore, Junior and Senior classes, entitling the graduates of the Senior Class who shall pass a satisfactory examination to the degree of *Bachelor of Arts*. Second, the Select Course, embracing studies in the different classes, according to the option of parents, and entitling the students who shall complete the course and sustain a satisfactory examination in any special study to the degree of *Proficient* in that study. Third, the Post-graduate Course, prescribed for students who aspire to the degree of *Master of Arts*, which is conferred only on such graduates of the regular Academic course as shall pursue for two years, at the college or elsewhere, a course of study assigned by the Faculty, and who shall furnish satisfactory evidence of their proficiency in said course by stated examinations, or by submitting to the Faculty, at designated periods, such written theses as may be specifically required of each candidate for said degree. The degree of Master of Arts is not conferred *in course*, but only on the evidence of attainments in advanced studies.

For course in Mechanical Engineering see page 19.

## Time and Terms of Admission.

The regular examinations for admission into the College or the Preparatory Department are held on the third Wednesday and

following Thursday of September in each year, and candidates for admission are requested to be present, if possible, on those days. Testimonials of good moral character must be furnished by each applicant, those of former teachers being preferred, and, if from another college, he must present a certificate of honorable discharge.

Candidates for the degree of Bachelor of Arts, to obtain admission to the Freshman Class, must, unless they have passed through the regular course in the Preparatory Department, sustain an examination in the following studies:

English Grammar; U. S. History; History of England; Ancient and Modern Geography; Physical Geography; Arithmetic; Algebra through Quadratic Equations, especially Factoring and Fractions; Hadley's, Goodwin's or Kuhner's Greek Grammar; Greek Reader; Xenophon's Anabasis; Harkness', Gildersleeve's or Allen and Greenough's Latin Grammar; Cæsar's Commentaries, or some equivalent; Ovid; Virgil; Latin and Greek Composition.

Candidates for admission to any higher class must be examined in all the previous studies of the class they propose to enter.

Students pursuing a Select Course may enter any classes for which they are fitted, the number of their studies being subject to the direction of the Faculty.

Candidates for admission into the lowest class of the Preparatory Department must be well grounded in the elements of a primary English education. They will be examined in Reading, Writing, Spelling, Arithmetic, Geography and English Grammar.

# SCHEME OF STUDIES

IN THE

# Preparatory Department.

### Third Preparatory Class.

Reading, Declamation, Spelling and Dictation Exercises.
English Grammar (begun).
United States History (begun).
English Composition and Penmanship.
Modern Geography (begun).
Arithmetic (begun).
Latin Lessons (begun).

### Second Preparatory Class.

Reading, Declamation, Spelling and Dictation Exercises.
English Grammar (finished).
United States History (finished)
Arithmetic (finished).
Latin Lessons (finished); Cæsar (begun).
Modern Geography (finished first term).
Greek Grammar and Lessons (begun second term).

### First Preparatory Class.

English Composition, Declamation.
Physical Geography.
Ancient Geography.
History of England.
Wentworth's Complete Algebra (begun).
*Latin*—Cæsar; Ovid; Virgil; Latin Prose Composition; Latin Grammar.
*Greek*—Lessons (continued); Xenophon's Anabasis; Goodwin's Grammar.

# COLLEGIATE COURSE OF STUDIES

FOR THE

# Degree of Bachelor of Arts.

## FRESHMAN CLASS.

### FIRST TERM.

*Greek*—Herodotus; Greek Prose Composition; Goodwin's Grammar.

*Latin*—Virgil's Æneid (continued); Cicero's Select Orations; Allen and Greenough's Grammar; Latin Prose Composition.

*Mathematics—Algebra*—Review of Algebra, including Equations of First and Second Degree; Permutations and Combinations; Binomial Theorem; Extraction of Roots; Radicals; Progressions; Wentworth's Complete Algebra.

*English Studies*—Ancient History (Anderson's); Original Essays; Elocution.

### SECOND TERM.

*Greek*—Homer (Iliad); Greek Composition; Goodwin's Grammar.

*Latin*—Livy; Odes of Horace; Latin Composition; Allen and Greenough's Grammar.

*Mathematics*—Plain and Solid Geometry (Wentworth's).

*English Studies*—Lounsbury's History of the English Language; Original Essays; Elocution.

## SOPHOMORE CLASS.

FIRST TERM.

*Greek*—Plato (Apologia and Krito); Goodwin's Grammar; Greek Prose Composition.

*Latin*—Horace's Satires; Cicero de Senectute; Latin Prose Composition.

*Mathematics*—Plane and Spherical Trigonometry (Wells').

*Natural Philosophy*—Physics; Lectures.

*English Studies*—History of English Literature; Roman History; Original Essays; Elocution.

SECOND TERM.

*Greek*—A play of Euripides; Goodwin's Grammar; Greek Prose Composition.

*Latin*—Horace's Epistles; Terence (Andria); Latin Prose Composition.

*Mathematics*—Analytical Geometry (Todhunter).

*Natural Philosophy*—Physics; Lectures.

*English Studies*—Roman History; Original Essays; Elocution.

## JUNIOR CLASS.

### FIRST TERM.

*Greek*—Demosthenes de Corona; Greek Composition; History of Grecian Literature.

*Latin*—Tacitus (Germania and Agricola); Latin Composition; History of Roman Literature.

*Mathematics*—Differential Calculus (Rice and Johnson).

*Chemistry*—General Principles; Non-metallic Bodies.

*English Studies*—Thalheimer's Mediæval and Modern History; Original Essays; Elocution.

*Modern Languages*—French or German.

### SECOND TERM.

*Greek*—A play of Sophocles; Greek Composition; History of Grecian Literature.

*Latin*—Tacitus (Histories); Plautus (Captives); Latin Composition; History of Roman Literature.

*Mathematics*—Integral Calculus (Johnson).

*Chemistry*—General Principles; Non-metallic Bodies.

*English Studies*—Thalheimer's Mediæval and Modern History; Original Essays; Elocution.

*Modern Languages*—French or German.

## SENIOR CLASS.

### FIRST TERM.

*Greek*—Thucydides; Aristophanes (Clouds and Birds); Greek Composition; History of Grecian Literature.

*Latin*—Tacitus (Histories); Juvenal; Latin Composition; History of Roman Literature.

*English Studies*—International Law; Original Essays; Elocution.

*Mathematics*—Astronomy (Olmsted's); Todhunter's Mechanics.

*Chemistry*—Inorganic (continued); Metals; Lectures.

*Modern Languages*—French or German.

*Military Science and Tactics.*

### SECOND TERM.

*Greek*—Thucydides; A play of Æschylus; Greek Composition; History of Grecian Literature.

*Latin*—Tacitus (Annals); Quintilian; Latin Composition; History of Roman Literature.

*English Studies*—Constitutional Law; Original Essays; Elocution.

*Mathematics*—Astronomy (Olmsted's).

*Chemistry*—Lectures on Organic Chemistry; Beilstein's Manual of Analysis

*Modern Languages*—French or German.

*Military Science and Tactics.*

## ELECTIVE COURSE IN MATHEMATICS.

*Freshman*—Todhunter's Theory of Equations.
*Sophomore*—Johnson's Curve Tracing.
*Junior*—"Dynamics of a Particle" (Tait and Steele).
*Senior*—Merriman's Method of Least Squares.

## PARTIALLY ELECTIVE STUDIES.

*French—Third Class, First Year*—Otto's French Conversational Grammar; Voltaire's Charles XII; Exercises in Accidents, Verbs and Syntax.

*Second Class, Second Year*—Racine's Esther; Labiche and Martin's La Poudre aux Yeux; Saintin's Picciola; Sadler's Translations from English into French; Otto's Grammar; Original Compositions.

*First Class, Third Year*—Racine's Athalie; Corneille's Le Cid; Moliere's Le Misanthrope; Mme. DeStael's De L'Allemagne; Original Compositions.

*German—Third Class, First Year*—Grammar, (Otis); Forms and Inflections; Oral and Written Exercises; German Reader (Whitney) or Boisen's Prose.

*Second Class, Second Year*—Grammar; Syntax; Oral and Written Exercises on Construction of Sentences and on Special Points of the Grammar: Schiller's Wilhelm Tell; Lessing's Minna von Barnhelm.

*First Class, Third Year*—Grammar; Special Exercises in Composition; Goethe's Hermann and Dorothea; Lectures on Literature and History, and on Relations of German to English.

### REMARKS ON STUDIES.

No student shall be permitted to discontinue any study except at the close of a term, and then only at the *written* request of his parent or guardian.

Students who do not study Greek will be required to study French or German, and those who do not study either Latin or Greek will be required to study both French and German. These languages will be commenced by such students in the Freshman Class. Students of the regular Academic Course are required to study either French or German during the Junior or Senior years, unless they shall have completed the three years' course in either language before reaching the Junior or Senior year. For classical students below the Junior Class the French and German languages are elective studies.

### COURSE OF INSTRUCTION.

The course of instruction embraces the following departments:

I. Ancient Languages—Including the Latin and Greek languages, Antiquities and Mythology, and the History of Greek and Roman Literature.

II. Modern Languages—Including the French and German Languages and Literature.

III. Mathematics—Including Pure Mathematics, Mechanics and Astronomy.

IV. Natural Science—Including Natural Philosophy and Chemistry.

V. History and English—Including Ancient, Mediæval and Modern History, History of the English Language and Literature, and International and Constitutional Law.

VI. Mechanical Engineering.

VII. Military Science and Tactics.

The Departments of Mechanical Engineering and Military Science and Tactics having been recently organized, the following outline of the course in each is appended:

I. MECHANICAL ENGINEERING—The course in this Department will cover four years and consist of both *theoretical* and *practical* instruction. A work-shop has been opened, in which each engineering student is required to spend one hour per day. This shop will be enlarged as circumstances demand.

Each student has one hour's practice per day in the Drawing-room, receiving instruction in mechanical, linear perspective, isometrical and free-hand drawing. In connection with this branch, during the Sophomore and Junior years, each student has one problem per week in Descriptive Geometry. These problems are made as practical as possible. The Junior and Senior students have practice in designing, and each one is required to make complete working drawings of at least one machine of his own design. Each graduating class will make one of these machines.

The lectures in design and fabrication of machinery, and in contracts and estimates, cover the Junior and Senior years, and are considered a very important part of the course.

## Outline of the Course.

### FRESHMAN YEAR.

*Mathematics*—Algebra and Geometry (Plane and Solid).

*English*—Ancient History; Lounsbury's History of the English Language; Essays.

*Modern Languages*—French or German.

*Drawing*—Mechanical.

*Shop-Work*—Work in Machine, Pattern-Making, Boiler and Blacksmith Shops.

*Study*—Shelley's Work-Shop Appliances.

SOPHOMORE YEAR.

*Mathematics*—Plane and Spherical Trigonometry, Analytical Geometry, and Descriptive Geometry.

*English*—English Literature; Rhetoric; Essays.

*Modern Languages*—French and German.

*Science*—Physics and Lectures.

*Drawing*—Mechanical and Linear Perspective.

*Shop-Work*—Machine, Pattern-Making, Boiler and Blacksmith Shops and Foundry.

*Study*—Goodeve's Elements of Mechanism.

JUNIOR YEAR.

*Mathematics*—Differential and Integral Calculus, Todhunter's and Smith's Mechanics, Rankine's Millwork.

*English*—Mediæval and Modern History; Essays.

*Modern Languages*—German and French.

*Science*—Heat, Light and Electricity.

*Drawing*—Mechanical, Linear Perspective, Isometrical and Free-Hand.

*Work-Shop*—Machine, Pattern-Making, Boiler and Blacksmith Shops and Foundry.

*Lectures*—Fabrication and Design of Machinery.

SENIOR YEAR.

*Mathematics*—Alexander's Applied Mechanics.

*Modern Languages*—German or French.

*Sciences*—Chemistry and Lectures.

*Drawing*—Mechanical.

*Technical Branches*—Rankine's Steam Engine; Marks' Relative Proportions of the Steam Engine; Van Buren's Strength of Iron Parts of Steam Machinery; Wilson and Shock's Boilers; Lectures on Designing Machinery; Lectures on Estimates and Contracts; Mechanical Essays; Graduating Thesis.

Course in Shops Accompanying the Course in Mechanical Engineering.

TIME ONE HOUR PER DAY.

*Wood-Room*—Bench-Work; Wood-Turning; Machine Sawing; Machine Planing; Pattern-Making.

*Iron-Room*—Bench-Work; Lathe-Work; Drilling; Milling; Planing; Screw Cutting; Tool Making; Management of Steam Machinery.

*Boiler Shop*—Riveting; Patching; Bending; Manufacturing of Boilers.

*Blacksmith Shop*—Bending; Welding; Tempering; Forging.

*Foundry*—Moulding and Casting in Iron and Brass.

The degree of M. E. (Mechanical Engineer), together with a diploma certifying to this effect, will be conferred at the Annual Commencement upon all graduates of this Department.

II. MILITARY SCIENCE AND TACTICS—Under Section 1225 of the Revised Statutes of the United States, relating to Military Instruction in Colleges and Universities, this College has secured the services of an Officer of the U. S. Army as Professor of Military Science and Tactics, and, by the same authority, is supplied with arms and accoutrements for the use and instruction of the students as Military Cadets.

The students are at present divided into two companies and are drilled four times a week in United States Army Tactics, infantry and artillery. The course also includes a weekly lecture on Military History, the individual instruction of Cadet Officers, Court Martial and Guard duty, construction of Field Works, and Target Practice. All students (except such as may be physically disqualified) are required to engage in the military exercises as a part of their physical training. A suit of blue, with caps to match, of good material and workmanship, has been selected as the uniform of the cadets, and is required for the military drills and parades. The uniforms will hereafter be made in Annapolis under the supervision of the President and Military Instructor.

This Department of the College is confidently recommended to the favorable consideration of parents and guardians as being efficiently conducted, highly important as a means of discipline, and promotive of a vigorous and harmonious physical development.

### DEPARTMENT OF NATURAL SCIENCE.

The studies of the several classes have been so arranged as to make instruction in Physics and Chemistry a prominent part of the Collegiate Course. Additions are from time to time made to the philosophical apparatus, and every effort used to make the laboratories and cabinet as complete as possible. Contributions for illustration of any of the branches of this department will be thankfully received.

### POST-GRADUATE COURSE.

The Post Graduate Course of Studies, extending through two years, and pursued at the college or elsewhere, is assigned by the faculty to candidates for the degree of Master of Arts.

Candidates for this degree are required to select at least two of the departments of study specified in this catalogue, and, under the direction of the professors in these departments, to pursue their studies for the two years of the Post-Graduate Course, submitting to them such essays, or undergoing such oral or written examinations, as may be required to test their qualifications for this degree.

### EXAMINATIONS, REPORTS, CONDUCT.

Written examinations on the studies of the entire term are held at the close of each term. The marks for these examinations are combined with the marks for daily recitations to make up the student's standing for the term. Any student whose examinations, at the close of a year, shall evince an incapacity on his part to pursue with advantage the studies of the class to which he belongs, will have offered to him, on the first day of the next year, an opportunity to retrieve his lost position, and, in default of doing so, will be reduced to a lower class.

A student deficient in knowledge, or persistently neglectful of any study, is at any time liable to be reduced to a lower class in that study.

A merit roll is kept, and each recitation noted on the grade of from 0 to 5. In order to pass from a lower to a higher class in any study, each student must obtain an average of 2.5 on the recitations and on the examinations of the second term, and also an

average of 2.5 on the recitations of the whole session, and the same average on the semi-annual and annual examinations combined. Demerits will be given for all absences not excused, and for violation of college regulations. Reports respecting conduct and scholarship will be sent every month to the parents or guardians of students. Whenever any student of the Collegiate Department has 100 demerits for any one term, or 150 for the year, or any student of the Preparatory Department has 125 demerits for any one term, or 200 for the year, he must leave the institution.

Each student is required to obey all the laws of the college so long as he shall remain a member of it, and whenever any student can no longer cheerfully comply with college rules he will be required to leave the institution.

*All students are required to be present promptly on the opening day of the session, and no student will be permitted to leave the college while college exercises are progressing, except in cases of urgent necessity, and at the written request of his parent or guardian. The attention of parents and guardians is especially called to these regulations, and their co-operation earnestly requested. They are also solicited, on the occasion of holidays, not to detain students at home beyond the time allotted for suspension of college exercises. Students absent from any cause except protracted sickness will be marked zero on all recitations made during their absence. When the cause of absence is satisfactory to the faculty they will be allowed to make up the omitted recitations.*

## DEGREES.

The following academic degrees are conferred by the college:

The degree of *Master of Arts*, conferred after completion of the Post-Graduate Course of studies.

The degree of *Bachelor of Arts*, conferred upon students of the Senior Class who shall obtain an average of 3.75 on all the studies of the Senior year.

The degree of *Proficient*, conferred upon students of the Select Course who shall complete the course and obtain an average of 4 in any special study during the last year of the course in that study, and upon students of the regular Academic Course in any elective study in which they shall complete the course and obtain a like average.

The degree of *Distinguished Proficient* is similarly conferred upon any student who shall obtain an average of 4.5 in any special study.

*Certificates of Distinction* of the *First* and of the *Second* Grade are presented to those students in any class who shall have obtained an average of 4.5 and of 4 respectively in all their studies and in conduct for the academic year.

Students who have obtained an average of 4.5 in any one branch of study are honorably mentioned; but no student is honorably mentioned, nor is any certificate or degree conferred upon any student who has failed to receive the passing mark (2.5) in any one study for the academic year.

### LIBRARY.

The library of the college consists of about 6,000 volumes, the use of which is permitted to the students under certain regulations. Through the liberality of the Legislature of 1872, and donations from the classes of '71, '72 and '73, extensive additions have been made to the library, and, by means of the regular library fund, subscriptions have been made to a number of American and Foreign periodicals. A complete library being an indispensable auxiliary to the intellectual advancement of professors and students, the claims of the college library are commended to the alumni of the college and to the friends of education in the State. Any contributions of books or funds for the library will be gratefully acknowledged.

### LITERARY SOCIETIES.

There are two Literary Societies (the Philokalian and the Philomathean) among the students, which afford opportunities for the cultivation of composition and debate. An oration is usually delivered before these societies, on the Tuesday preceding Commencement Day, by some gentleman selected by them.

### YOUNG MEN'S CHRISTIAN ASSOCIATION.

A Young Men's Christian Association is in active and successful operation, and has been productive of much good.

## SOCIETY OF ALUMNI.

The Society of Alumni holds its annual meetings on the day preceding Commencement Day, on which occasion an oration is delivered by one of its members. All former students who have completed their collegiate education (whether graduates or not) at St. John's College, and left in good standing, are considered members of this society. It numbers on its roll many names prominent in the history of the State.

## PUBLIC WORSHIP.

The exercises of each day are opened with the reading of the Scripture and prayer in the College Hall.

All students are required to attend public worship on Sundays at such church as their parents or guardians may direct, and to abstain from whatever is inconsistent with a due observance of the Sabbath. The principles and duties of the Christian Religion will be constantly enforced in the teaching and in the discipline of the college, but no instruction whatever is given or influence exerted in the interest of any particular denomination of Christians.

## TERMS AND VACATIONS.

The Annual Commencement of the college takes place on the last Thursday in June.

The collegiate year begins on the third Wednesday in September and ends on the last Thursday in June. The year is divided into two equal terms.

The regular vacations extend from the last Thursday in June to the third Wednesday in September, and from the 23d of December to the first Monday in January, both inclusive. The 22d of February, Good Friday, Easter Monday and the 4th of July are holidays, as is also the day of Public Thanksgiving appointed by the Governor of Maryland or by the President of the United States

## EXPENSES.

The charge for the entire scholastic year, beginning on the third Wednesday in September and ending on the last Thursday

in June, for students lodging and boarding in the College Halls, is $275.00, not including a fee of $1.50 per term which each student is required to deposit with the Treasurer, to be paid by him to such church as the student may attend.

This amount covers all the ordinary college expenses for boarders except text-books, and must be invariably paid semi annually *in advance;* that is, $137.50 at the opening of the first term in September, and $137.50 at the opening of the second term, on the 15th of February following. *No deduction will be made except for the protracted absence of a student caused by his sickness.*

For students lodging in the College Halls and having table board elsewhere a proportionate deduction will be made for the session.

For charges paid by incumbents of Senatorial Scholarships see page 28.

The fees of students who reside in Annapolis are as follows:

*In the Preparatory Department, for each term, payable in advance, for tuition and all other charges.*

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| First Class | $30 00 |
| Second Class | 25 00 |
| Third Class | 20 00 |

*In the Collegiate Department, for each term, payable in advance.*

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|---|---|
| Tuition | $45 00 |

No student will be matriculated, nor will his name be entered upon the rolls of any term, until he shall present to the Faculty a receipt from the Treasurer for all dues and arrearages; and no diploma will be awarded unless the candidate shall present to the Faculty a similar receipt, including a fee of ten dollars for diploma.

Wilful damage will be made the ground of additional charge to be defrayed by the perpetrator.

Students holding Senatorial Scholarships are required to lodge in the College Halls and board at the College Commons. The same requirement is also ordinarily made of other students whose parents do not reside in the city of Annapolis; but upon the request in writing of his parent or guardian, at the beginning of a

term, the President may, in his discretion, allow a student to board in the city, in the family of any *relative* or *friend* who may be willing to become responsible for the orderly deportment of such student. But no boarder in the College Commons will be allowed to change his place of boarding until all arrearages shall have been paid.

Students not holding Senatorial Scholarships are required to provide themselves with furniture, including stove. Furniture may, however, be hired from the Steward at a reasonable rate.

The boarding house will be closed during the Christmas and Summer vacations.

Disbursements will be made for personal expenses of students if funds shall be deposited by parents for this purpose, *but no advances will be made by the college.* Books will also be furnished to students, provided a deposit of ten dollars be made for that purpose at the beginning of each term. At final settlement the unexpended balance, if any, will be refunded.

### STATE SCHOLARSHIPS FOR BOARD AND TUITION.

The General Assembly of the State (Acts of 1872, chapter 393, and 1878, chapter 315) has provided for furnishing board, fuel, lights and washing to the incumbent of one State Scholarship from each Senatorial District in the State, to be appointed by the Board of School Commissioners, by and with the advice and consent of the Senators in their respective districts, *after competitive examination. The law requires that the candidates shall produce before the Board of School Commissioners satisfactory evidence of their moral character, and of their inability, or the inability of their parents or guardians, to pay the regular college charges.* A blank form of certificate, drawn in conformity to the above law, will be forwarded to the Secretaries of the several school boards for the use of the appointees to the said scholarships. These scholarships are tenable for four years, and the incumbents are required by law to pledge themselves that they will continue students of the college for the full term of four years, unless prevented by unavoidable necessity, and that they will teach school within the State for not less than two years after leaving college. To obtain a full collegiate education, the object contemplated by the act, candidates

should be prepared to enter at least the Freshman Class of the college. The Boards of School Commissioners are *earnestly requested* to exercise great care in the selection of these students, and especially to appoint none deficient in preparation. The faculty is empowered to extend the term of these scholarships one year in case of worthy students.

The incumbents of these scholarships will hereafter be required to provide their own text-books, and to pay into the treasury of the college, at the beginning of each term, the sum of $37.50.

There are at this date (August 1, 1885), eight vacancies in these scholarships, viz., one each from the counties of Allegany, Baltimore, Carroll, Cecil, Garrett, Prince George, and Wicomico, and from the Third Legislative District of Baltimore City.

In filling these vacancies the Boards of School Commissioners are requested (other things being equal) to appoint those candidates who are not less than sixteen years of age and are most advanced in their studies. It is desired that all applicants hereafter should be prepared, in *at least* mathematics and English studies, to enter the Freshman Class of the college.

☞ The Secretaries of the several School Boards are requested to communicate to the President of the college the names of those former incumbents of these scholarships who are now, or may hereafter be, employed in teaching in their respective counties or in the City of Baltimore.

### COLLEGIATE SCHOLARSHIPS.

The following regulations have been made by the Board of Visitors and Governors for the establishment of scholarships in connection with the college.

For a permanent scholarship for tuition, $1,200. For a permanent scholarship for board and tuition, $4,000. For a scholarship for the tuition of a student through all the college classes, $300. For a scholarship for the board and tuition of a student through all the college classes, $1,000. For any other scholarships the sum reduced shall be in the same proportion, the money in each case to be paid in advance into the treasury of the college.

The establishment of these scholarships is commended to the attention of the alumni and friends of the college.

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